

DECLARATION BY INVENTORS

Each of the below named inventors, hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe that I am a joint inventor of the subject matter which is claimed and for which a patent is sought on the invention,

Entitled: METHOD OF THREE DIMENSIONAL COLOR VECTOR
DETERMINANT FOR AUTOMATIC KANJI AND CHINESE
CHARACTER DETECTION AND ENHANCEMENT

Docket Number: SLA.0274

the specification of which is attached hereto.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made, with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Claim of Priority Based on Foreign Applications: **None**

Claim of Priority Based on Previously Filed U.S. Applications: **None**

William Ho Chang
Inventor name

U.S.A.
Citizenship

 Jan 5, 00
Signature Date

Post Office Address 5750 Pacific Rim Blvd., Camas, Washington 98607

Residence Address 16900 S.E. 26th Drive, #94, Vancouver, Washington 98683 USA

Page 1 of 2 Pages Declaration of Inventors for Invention of William Ho Chang *et al.* for
METHOD OF THREE DIMENSIONAL COLOR VECTOR
DETERMINANT FOR AUTOMATIC KANJI AND CHINESE
CHARACTER DETECTION AND ENHANCEMENT; Attorney Docket
No. SLA.0274

Makoto Otsu
Inventor name

Japan
Citizenship

Signature

Date

Makoto Otsu 12/25/00

Post Office Address 5750 Pacific Rim Blvd.; Camas, Washington 98607

Residence Address 492 Minoshō-cho, Syataku 224; Yamato Koriyama-shi, Nara-ken 639-1103, Japan

109370-10275250

Page 2 of 2 Pages

Declaration of Inventors for Invention of William Ho Chang *et al.* for
METHOD OF THREE DIMENSIONAL COLOR VECTOR
DETERMINANT FOR AUTOMATIC KANJI AND CHINESE
CHARACTER DETECTION AND ENHANCEMENT; Attorney Docket
No. SLA.0274

POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. § 3.71
AND CERTIFICATE OF TITLE BY ASSIGNEE UNDER 37 C.F.R. § 3.73(b)

For handling matters in the United States Patent and Trademark Office.

Sharp Laboratories of America, Inc. is the Assignee of the invention,

Entitled: METHOD OF THREE DIMENSIONAL COLOR VECTOR DETERMINANT FOR AUTOMATIC KANJI AND CHINESE CHARACTER DETECTION AND ENHANCEMENT

Inventors: William Ho Chang; Makoto Otsu

Docket Number: SLA.0274

The specification of which is being filed herewith.

Sharp Laboratories of America, Inc., as assignee hereby appoints the following attorney to prosecute this application and to transact all business connected therewith in the United States Patent and Trademark Office; said appointment to be to the exclusion of the inventor(s) and his attorney in accordance with the provisions of 37 C.F.R. § 1.32:

Robert D. Varitz, Reg. No. 31436

Phone: 503-219-3770

Facsimile: 503-219-3771

David C. Ripma, Reg. No. 27672

Matthew D. Rabdau, Reg. No. 43026

Scott C. Kreiger, Reg. No. 42768

Send all correspondence to:

Robert D. Varitz
ROBERT D. VARITZ, P.C.
380 Harrison Square
1800 S.W. First Avenue
Portland, OR 97201
Telephone: 503-219-3770
Facsimile: 503-219-3771

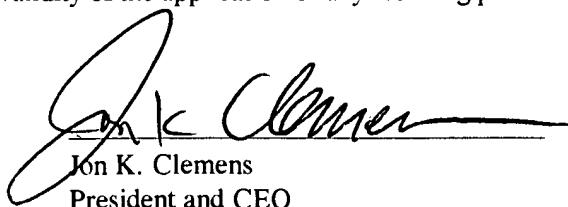
Pursuant to 37 C.F.R. § 3.73(b), the undersigned certifies that assignee is a corporation, and is the owner of the entire right, title and interest in the above-identified patent application by virtue of an assignment from the inventor(s) to Assignee.

A copy of the assignment is attached hereto, the original of which is herewith forwarded to the U.S. Patent and Trademark Office for recording.

I have reviewed the assignment and to the best of my knowledge and belief, title to the above-identified patent application is in Assignee. I declare that I am empowered by Assignee to sign this certificate on behalf of Assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application or any resulting patent.

Date: January 12, 2001



Jon K. Clemens
President and CEO

POWER OF ATTORNEY BY ASSIGNEE AND CERTIFICATE OF TITLE BY ASSIGNEE for
Application of William Ho Chang *et al.*; Attorney Docket No. SLA.0274